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## anti-Latrophilin 1 antibody (Extracellular, N-Term)

3 Images



Go to Product page

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| Overview             |  |
|----------------------|--|
| Quantity:            | 50 μL  |
| Target:              | Latrophilin 1 (LPHN1)  |
| Binding Specificity: | AA 480-494, Extracellular, N-Term  |
| Reactivity:          | Rat, Human, Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This Latrophilin 1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Live Cell Imaging (LCI) |
| Product Details      |  |
| Immunogen:           | Immunogen: Synthetic peptide   |

| Immunogen:       | Immunogen: Synthetic peptide Immunogen Sequence: CEPREVRRVQWPATQ(G), corresponding to amino acid residues 480-494 of rat Latrophilin-1   |
|------------------|--|
| Isotype:         | IgG  |
| Characteristics: | Anti-Latrophilin-1 (LPHN1) (extracellular) Antibody (ABIN7043297 and ABIN7044563)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize Latrophilin-1 from rat, human, and mouse samples. |
| Purification:    | Affinity purified on immobilized antigen.  |

| Target Details      |  |  |
|---------------------|--|--|
| Target:             | Latrophilin 1 (LPHN1)  |  |
| Alternative Name:   | Latrophilin-1 (LPHN1) (LPHN1 Products)   |  |
| Background:         | Alternative names: Latrophilin-1 (LPHN1), Calcium-independent alpha-latrotoxin receptor 1, |  |
|                     | CIRL-1, Adhesion G protein-coupled receptor L1, ADGRL1, Lectomedin-2, LEC2                 |  |
| Gene ID:            | 65096  |  |
| NCBI Accession:     | NM_014921  |  |
| UniProt:            | 088917   |  |
| Pathways:           | Synaptic Membrane, Synaptic Vesicle Exocytosis   |  |
| Application Details |  |  |
| Application Notes:  | Optimal working dilution should be determined by the investigator.                         |  |
| Restrictions:       | For Research Use only  |  |
| Handling            |  |  |
| Format:             | Lyophilized  |  |
| Reconstitution:     | 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.                |  |
| Concentration:      | 0.8 mg/mL  |  |
| Buffer:             | Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 %   |  |
|                     | Sodium azide.  |  |
|                     |  |  |

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

Storage: RT,4 °C,-20 °C

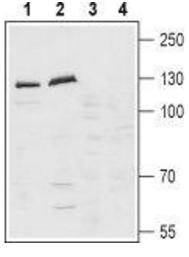
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.

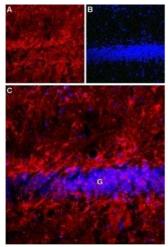
Upon arrival, it should be stored at -20°C.

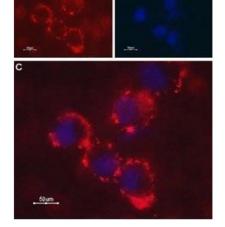
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).







#### **Western Blotting**

**Image 1.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-Latrophilin-1 (LPHN1) (extracellular) Antibody (ABIN7043297 and ABIN7044563), (1:200).3,4. Anti-Latrophilin-1 (LPHN1) (extracellular) Antibody, preincubated with Latrophilin-1/LPHN1 (extracellular) Blocking Peptide (#BLP-LR021).

### **Immunohistochemistry**

Image 2. Expression of Latrophilin-1 receptor in rat hippocampus - Immunohistochemical staining of rat hippocampal dentate granule layer (G) using Anti-Latrophilin-1 (LPHN1) (extracellular) Antibody (ABIN7043297 and ABIN7044563). A. Latrophilin-1 receptor staining (red) appears in astrocytes. B. Nuclear staining using DAPI as the counterstain (blue). C. Merged image of A and B.

#### **Immunocytochemistry**

**Image 3.** Expression of Latrophilin-1 receptor in SH-SY5Y cell line - Cell surface detection of Latrophilin-1 receptor in intact living human neuroblastoma (SH-SY5Y) cells. A. Extracellular staining of cells with Anti-Latrophilin-1 (LPHN1) (extracellular) Antibody (ABIN7043297 and ABIN7044563), (red), (1:50) followed by goat anti-rabbit-AlexaFluor-594 secondary antibody. B. DAPI is used as the counterstain (blue). C. Merged images of A and B.